

Pending Claims

Following entry of this response, Claims 21-30 will be pending.

21. A transdermal delivery device for diagnosing infectious disease comprising,

an antigen composition and an antigen composition holding portion, wherein the antigen composition is applied to the holding portion for transdermal delivery of the antigen wherein the device is in contact with skin

and wherein an immunogenic response is observed on the skin indicating the presence of active disease.

22. The device of Claim 21, wherein the antigen composition holding portion comprises a material selected from the group consisting of medical tape, medical plaster, gauze, a patch and a patch band.

23. The device of Claim 21, wherein the antigen composition comprises an antigen and a physiologically effective solution, wherein said physiologically effective solution promotes transdermal delivery of the antigen in an amount sufficient to generate an immune response.

24. The device of Claim 23, wherein the antigen is derived from a mycobacterial species selected from the group consisting of *Mycobacterium tuberculosis*, *Mycobacterium avium-intracellulare*, *Mycobacterium kansaii*, *Mycobacterium fortuitum*, *Mycobacterium chelonae*, *Mycobacterium leprae*, *Mycobacterium africanum*, and *Mycobacterium microti*.

25. The device of Claim 23 wherein the antigen comprises a mycobacterial antigen.

26. The device of Claim 23, wherein the antigen is mycobacterial antigen selected from the group consisting of MPB44, MPB45, MPB51, MPB59, MPB64, MPB70, MPB80 and MPB83.

27. The device of Claim 23, wherein the antigen comprises MPB64 and the physiologically effective solution comprises phosphate buffered saline and a surfactant.

28. The device of Claim 27, wherein the surfactant comprises a polyoxyethylene sorbitan derivative.

29. The device of Claim 21, wherein the infectious disease comprises tuberculosis.

30. The device of Claim 28, wherein the infectious disease comprises tuberculosis.